



Storage tanks at J.R. Simplot facility in Portland, Oregon

*For
More
Information:*

EPA Web page:
www.epa.gov

Regional WebPages
www.epa.gov/r10earth

Risk Management Program:
www.epa.gov/ceppo/acc-pre.html

Regional Risk Management Program Page
www.epa.gov/r10earth/112r.htm

EPA's Hotline
(800)-424-9346

Region 10 Facts:

Did You Know?

- More than 2/3 of the RMP facilities in our region house either ammonia or chlorine.
- 1/3 of RMP reportable accidents were not reported to local responders.
- Dichlorosilane causes the most accidents per pound of substance.
- Accidents with ammonia typically affect between 10 and twenty people.
- Approximately 500 facilities have sent in RMPs since the deadline in 1999.
- Approximately 97% of RMP regulated facilities are in programs 2 and 3.

U.S. Environmental Protection Agency

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The Risk Management Program

*Region 10
Information*



Chemical Safety and Accident Prevention

General Overview of Section 112[r]

The Risk Management Program (Section 112[r]) was created in response to major chemical accidents in Bhopal, India and Institute, West Virginia. The Bhopal accident killed thousands of people and the Institute accident injured hundreds. The goal of the Risk Management Program is to prevent major chemical accidents from causing disasters by establishing a prevention and response program.

Who is Regulated under the Program?

Firms that use or store a relatively large amount of a toxic or flammable chemical are the targets of this regulation. For this regulation, the EPA has created a list of regulated chemicals and corresponding thresholds. All facilities that store or use these regulated chemicals at or above threshold levels are regulated under the Risk Management Program.

Risk Management Requirements

There are three levels of regulation under the Risk Management Program. Program 1 is for firms that have relatively safe processes and low risk. Programs 2 and 3 are more highly regulated than Program 1. These Programs are meant for firms that have a higher risk of affecting the public in case of a chemical spill.

All facilities that are listed under the Risk Management Program must complete an Off-Site consequence analysis, five-year accident history, a hazard assessment and an emergency response program. Most firms must also create a detailed prevention program that will help to prevent the accidental release of hazardous chemicals.

Four Sections of the Risk Management Program

- **Offsite Consequence Analysis**

In this section of the program, firms outline their worse-case and alternative scenarios for accident release. The worse-case scenario is an unlikely scenario that describes the greatest possible amount of a regulated chemical that could be released from a facility. The alternative scenario describes a more likely scenario for a release that could affect the public.

- **Five-Year Accident History**

A facility's five year accident history describes all those accidents that have caused significant on-site or off-site damage. Many firms have accidental releases that are not reportable under the Risk Management Program. Only the most serious accidents are reported.

- **Prevention Program**

The prevention program for 112[r] has the same requirements as the Occupational Safety and Hazards Administration Process Safety Management program. PSM Facilities must adopt a prevention program and must create guidelines for training, operating procedures and mechanical integrity.

- **Emergency Response Program**

In addition to the requirements listed above, all facilities must work with their Local Emergency Planning Committees and other local responders to ensure that proper measures are taken when accidents occur.

General Duty Clause

All firms that house or use hazardous substances must work to prevent chemical accidents and to ensure the safety of the public and the environment. Firms regulated under the General Duty Clause must identify the risks related to the hazardous chemicals they have on site and take steps to avoid chemical accidents.



*U.S. Environmental Protection Agency
Emergency Response Exercise in Clallam County*

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